| U.S. Patent Documents    Date   Patentee/Applicant   Class   Subclass   Filing   Appro   | Patent and Trademark Office mation Disclosure Statement by Applicant  Filing Date Concurrently Herewith - Mar. 11. 2004  U.S. Patent Documents  U.S. Patent Documents  Filing Date Concurrently Herewith - Mar. 11. 2004  U.S. Patent Documents  Filing Date If Appropriate  Foreign Patent Documents  Foreign Patent Documents  Translation Yes No  1-86179 (w/Abstract) 06/07/1989  Japan  August Group  Unassigned  Group  Unassigned  Class Subclass  Filing Date If Appropriate  Class Subclass  Translation Yes No  | Patent and Trademark Office Information Disclosure Statement by Applicant  Filing Date Concurrently Herewith - Mar. 11. 2004  U.S. Patent Documents  Vaminer Initial  Foreign Patent Documents  Foreign Patent Documents | B/O Form PTO-1449 |                                   | Atty. Docket Number MARU3003/EM       |                       | Serial Number   0/797,   19 |  |           |  |             |
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| Information Disclosure Statement by Applicant  Filing Date Concurrently Herewith - Mar. 11, 2004  U.S. Patent Documents  Examiner Initial  Document Number  Date  Patentee/Applicant  Class Subclass  Filing Approximation Disclosure Statement by Applicant  Filing Date Concurrently Herewith - Mar. 11, 2004  Unassigned  Filing Date Concurrently Herewith - Mar. 11, 2004  Foreign Patent Documents  Foreign Patent Documents | Translation Disclosure Statement by Applicant Filing Date  U.S. Patent Documents  U.S. Patent Documents  Foreign Patent Documents  Foreign Patent Documents  Country/Agency  Document Number  Publication Date  Country/Agency  Class  Subclass  Translation  Yes No  1-86179 (w/Abstract)  O6/07/1989  Japan  X  | Toreign Patent Documents  Foreign Patent Documents           | U.S.              | Department of Commerce            | 1 ''                                  | •                     |                             |  |           |  |             |
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| Foreign Patent Documents  Patentee/Applicant Class Subclass Filing Appro   | Foreign Patent Documents    Document Number   Date   Patentee/Applicant   Class   Subclass   Filing Date if Appropriate   | Foreign Patent Documents  Foreign Patent Documents  Foreign Patent Documents  Foreign Patent Documents  Translation  The Translation Publication Date Documents Subclass Subclass Filing Date If Appropriate Subclass Subclass Subclass Subclass Subclass Subclass Yes No.   |                   |                                   | Concurrently merey                    |                       |                             |  | Unassign  | <u>eq</u>  |             |
| Foreign Patent Documents   | Foreign Patent Documents    Document Number   Date   Patentee/Applicant   Class   Subclass   Appropriate  | Foreign Patent Documents  Foreign Patent Documents  Foreign Patent Documents  Foreign Patent Documents  Translation Publication Date  Thitial  1-86179 (w/Abstract) 06/07/1989  Japan  X   |                   |                                   | U.S. Patent                           | Documents             |                             |  |           |  |             |
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